	ATED CONTRACT		
COST-		TASK ORDER NO.	
(0.19120		Task Order No	01/0/18132
60-18132 ISS	UING OFFICE	Task Order No	. 01/0/10132
ME	ADDRE'SS	2430 E Street	n n
Central Intelligence Agency		Washington 25	
С	ONTRACTOR		
ONTRACT FOR	aa fan tha Th	- h	AMOUNT CPFF
Systems Design and Associated Service Intelligence Center	es for the Ph	otograpnic	
ROPRIATION AND OTHER ADMINISTRATIVE DATA			1
			. 🗗
	Decla	ss Review by N	GΔ
	Decia	33 Neview by N	OA.
-			
This Negotiated Task Order Contract is enterest i ation and findings have been made.	nto pur dant to i	statutory authority	and any required deter
This TASK ORDER CONTRACT is entered into a	ment", represent	e f by the Contract	ing Officer, who execu
itates of America, hereinafter called the "Governme he basic Contract, or his duly authorized Refrect	mi i ivi, i zi cari		
tates of America, hereinafter called the "Governme he basic Contract, or his duly authorized Repress amed Contractor,			
tates of America, hereinafter called the "Governi		tr of	called the "Contracto

The rights and obligations of the parties to this take the fact of the annual terms and provisions of said basic Contract, which is expressly incorporated herein by reterince. To the extent of any inconsistency between the terms and provisions of said basic Contract, and this I was true Contract, the Task Order Contract shall control.

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· · · · · · · · · · · · · · · · · · ·		 PAGE	1	OF	PAGE
(SCHEDULE)	CONTRA T TASK ORDER NO.				

SECTION I. SCOPE OF WORK

(A) The Contractor shall furnish the personnel, facilities, materials, equipment, and services (except such as are furnished by the Government) necessary for the performance of the following integrated Architect-Engineering work related to photographic intelligence, in addition to the Architect-Engineering and Systems activities of the Contractor, and also the services of a particularly qualified individual who will act as an Advisor on the requirements specifically levied by the Contracting Officer in accordance with instructions to be furnished from time to time by the technically qualified authorized representative of the Contracting Officer, to be hereafter duly designated in writing by the Contracting Officer. Such instructions will be processed through and signed by the Contracting Officer.

ASSIGNMENT I

- 1. Provide the professional services necessary and required to carry out the analysis and to accomplish the objectives of systems requirements for automation of specific NPhotographic Intelligence Center", activities appropriate for electronic/mechanical automation and integration, including the determination of the several types and kinds of commercial components, equipments and associated information-handling devices, data storage and retrieval devices, computer devices together with the integration within the final systems of those existing subsystem devices (Government-jurnished equipment, as specified in the Technical Directives' now in use; and the necessary market search and research for determining appoints manufacture(s) available and competent to provide appr priate firthe-shelf items; further, the services attendant to providing for the development of and direction to manufacturers of specific accidingents to create and provide finished, required equipment(s) and deviser a topresently available through any known commercial channels, if and as required.
- 2. Provide manufacturers' names, equipment description, serial numbers for devices and components for specifically selected computer types with supporting data for such selections (one or more).

For the celected computer-equipments, provide essential data covering (a) initial vista; (t) upkeep, maintenance and operational costs; (c) manpower requirements directly assignable to computer operation (solely) and many wer requirements for maintenance of computer*; (d) any other support requirements and costs solely applicable to the computer itself (which are not supported nor required elsewhere in the P.I. complex).

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^{*}In lieu of the "manpower requirements" for each, determine any other means available for same: e.g. "threat corvice"; "outside programming", company "Tech Reps" and costs of same.

PAGE 2 OF PAGES

(SCHEDULE)

Determine separately the array of lity, employment or salary costs, location and competence of personnel trained and capable of handling the "Programming Steps" required for the selected and recommended computer.

- 3. Determine the appropriate communication means and the extent of same required between the selected computer and the Information Storage and Retrieval sub-systems and between the computer and other sub-systems requiring such communication(s) and types of communication required for maximum operational efficiency commensurate with the human/machine integration capability "the system as a whole.
- 4. Determine subject to actual trial operations, the optimum use of the selected computer and its characteristics for serving the various and several selected sub-systems existing within the P.I. complex in order to establish an outline and program of priority use of the computer time available, number of shifts, allowable down-time, required redundancy to be provided for emergency and, or raintenance, etc.
- 5. Translate Assignment I (Farts 1 thru a above) into criteria statements, lingrams and lata, for to use of others, as guidance in preparation of actual planning for housing the selected computer, pro-

NAME

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(SCHEDULE)	CONTRATT/TASK ORDER NO.
2. Determine and provious concept designs and design	ride for the following schematic drawings, criteria for
(a) Operational & departments and divisi	: Functional Descriptions of the several
(b) The "work flo	ow" diagram(s) for (a) above.
	ed concept plans and drawings necessary to for requirements of (a) and (b) above.
nated classified areas	Plans and Freliminary Plans of all desig- , which cannot, due to the classification, Architectural and Engineering Contract.

PAGES

IL

2. Where applicable, portion: If the data, materials, diagrams and drawings developed under this Assignment III will be made available for use in the follow-on Architectural and Engineering Contract. If required and so directed, the Contractor will provide for the implementation of the photo-chemial facility's requirements for new equipment, specialized items, valves and any long-lead time items needed for complete operation, by means of the Contractor's own market search and purchasing capability.

3. Provide the means for plannel expansion of the Photo-Chemical facilities for (a) additional equipment (e.g. planned and/or reserved floor areas), (b) pipe sizing, pipe routing, controls, etc. to permit larger and adequate extensions to these systems if needed, and (c) planned provisions for expansion of power supplies, A/C and humidity, dust and atmosphere requirements.

NAME O

(SCHEDULE) PAGE 5 OF PAGES

ASSIGNMENT VI

Combaid w / Je

1. The providing of professional services required for the application of computer logic and engineering techniques to determine and solve fundamental Location Factors and Location Problems associated with a norman to large industrial complexes and/or military installations, for use in Photographic intelligence analysis (routines) disciplines.

ASSIGNMENT VII

OMITION FOR

1. Pursuant to Contractor's equipment recommendations as made under assignments hereunder issued, and subject to the prior approval and in accordance with Technical Directives of the Contracting ifficer, the Contractor shall furnish procurement and associated services and shall procure by the equipment necessary toward the completion of the Photo Indonesia, i.e., and thing, and photogrammetric installations.

NAME OF CONTRACT H

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(\$	CHEDULE)	CONTRACT/	ODDER NO	PAGE	6 OF	PAGES
	Advisor	1:	25 man days	·		_
	Senior Staff Engineer	2	4 man months	3		
	Senior Engineer	40	o man months	.		
	Senior Member Tech. Star	ff 33	3 man months	;		
	Designer	1	5 man months			
	Draftsman	48	8 man months			
	Tech. Illustrators	E	ó man months			
	Tech. Writers	3	3 man months			
	Direct Clerical	2i.	man months			
SECTION II.	CONTRACT PERIOD					

NAME OF CONTRACTOR

It is contemplated that the work hereunder, particularly Assignments I through VI as set forth above, shall be completed on or prior to 30 June 1961. It is understood, however, that the work called for under Assignment VII above, may not be completed by the aforesaid date, consequently, this Task Order is subject to extension to an appropriate completion date which will be reflected in a formal amendment hereto.

SECTION III. INITIAL ESTIMATE OF COST, OBLIGATION OF FUNDS, AND FIXED FEE

(B) (1) Correctness of Estimated Not Guaranteed -- Negotiated Adjustment of Fixed Fee. It is understook that neither the Government nor the Contractor guarantees the correctness of the precently estimated or hereafter revised estimate of costs for complete performance of this Task Order, and that there shall be no adjustment in the amount of the Contractor's fixed fee by reason of errors in the computation of octimates or differences between such estimates and the actual out of complete performance, at the level of effort intended, of the work hereunder.

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(SCHEDULE)	CONTRACT	TASK ORDER	NO.	 	1	

- (2) Nevertheless, the Contractor's fixed fee has been mutually negotiated and predicated upon the understanding that the Contractor maintain an availability of personnel, facilities, materials and equipment to perform, and that the Contractor will in fact perform, the level of effort contemplated in the aforesaid Section I SCOPE OF WORK, exclusive; however, of actual subcontract procurement expenditures -- no fee having been contemplated as payable with respect to such expenditures. It is, therefore, agreed that if the Government's technical direction of the work does not require beneficial utilization of the level of effort contemplated, then and in that event the parties shall negotiate ab initio an equitable adjustment downward of the Contractor's fixed fee.
- (3) For purposes of negotiating an equitable downward adjustment of the Contractor's fixed fee, in the event of beneficial utilization of less than the level of effort contemplated in the Article hereof entitled "Scope of Work", in accordance with Section III (B) (2) above, the Contractor shall within ninety (90) days after completion of all work hereunder, submit to the Contracting Officer, in such form and detail as to be acceptable to him, a statement of time and materials actually expended in performance of the work hereunder, categorized and set forth in the same approximate format as the contemplated level of effort as set forth above under the Article hereof entitled "Scope of Work".
- (4) Any failure of the parties to agree upon an equitable adjustment of said fixed fee shall be deemed a dispute concerning a question of fact for decision by the Contracting Officer within the meaning of the clause of this Contract entitled "Disputes".

SECTION IV. CONSIDERATION

Payment for allowable costs and of the fixed fee, as provided in this Task Order and under the terms and conditions of the Basic Contract incorporated herein by reference, shall constitute complete compensation for Contractor's services including profit and all Items or kinds of expenses not allowable under the terms of this Task Order.

SECTION V. COSTS AND EXPENSES

- (A) The costs allowable under this Task Order shall be, without duplication, such reasonable costs and expenses as are actually incurred in good faith by the Contractor in performing the work under this Task Order, which are necessary or incident thereto, and which are accepted by the Government as being within the categories of allowable costs specified in Article 5 of the General Provisions, as amended, of the Hasic Contract.
- (B) Any provisions of this Contract to the contrary notwithstanding, it is understood that reimbursement of Contractor's subcontract expenditures for equipment procurement, as set forth in the Technical Directors, shall be reimbursed on an actual cost basis without handling charge, in or other mark-up.

		PAGE 8 OF	PAGES
(SCHEDULE)	CONTRACT TACK CORED NO		
			<u> </u>

SECTION VI. PAYMENT

- (A) Payment shall be in accordance with Article 5 of the General Provisions of the Basic Contract.
- (B) Fixed Fee Installments: For the purpose of accomplishing progress payments on the fixed fee, each billing for allowable costs except for those costs stipulated in Section V (B) above, shall have added thereto a sum equal to seven percent (7%) of the amount billed, except that after payment of eighty-five percent (85%) of the fixed fee set forth in this Task Order, as from time to time amended, further provisional payments on account of the fixed fee shall be withheld and retained until the work shall have been completed hereunder, and a final fee shall have been established by negotiation pursuant to the provisions of SECTION III (B) (2), (3) and (4) hereof.

SECTION VII. TASK ORDER GENERAL PROVISIONS

- (A) This Task Order is issued under the above referenced Basic Contract and is subject to the Task Order provisions contained therein, the Basic Contract General Provisions, and the Schedule supplementary thereof, being incorporated by reference in this Task Order as though fully set forth herein.
- (B) <u>Security</u>: The Contractor's special attention is called to Article 9 of the General Provisions of the Basic Contract entitled "Security" which article incorporates the Security Manual applicable to this Task Order entitled "Industrial Security Standards of Safeguarding Classified Material."

Although this Task Order per se is unclassified, the security classification of drawings, reports, iictionaries, and other items of work generated under this Task Order is SECRET. Also, Technical Directives issued under this Task Order shall be classified SECRET.

(C) Interior Markings: No markings shall be applied on any interior packaging material or container that would identify the Purchaser.

SECTION VIII. ACCOUNTING AND INVENTORY

Upon completion of this Task Order, the Contractor shall render an accounting and inventory for any property governed by applicable article(s) of the Basic Contract and shall accord the said property such disposition as the Contracting Officer may direct in writing.

SECTION IX. TECHNICAL DIRECTIVES

NAME O

Each Technical Directive as signed, dated and issued by the Government's duly authorized technical representative and processing through and signed by the Contracting Officer hereunder, shall be subject to acceptance by the Contractor and shall contain the following among other provisions:

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(SCHEDULE) PAGE 9 OF PAGES

- (1) A reference to this Task Order.
- (2) Technical instructions for performance of the work hereunder, description of the services to be furnished in reasonable detail, including, wherever appropriate, a reference to the applicable plans and specifications.
- (3) A statement of the place where, and the time when the work shall be performed, delivered and accepted.
- (4) The property, if any, to be furnished by the Government and the date such property is to be delivered to the Contractor.

Technical Directives issued hereunder shall be in a format as attached hereto as Attachment "A". As specified in the heretofore Security clause, each Technical Directive issued hereunder shall be classified SECRET.

IN WITNESS WHEREOF, the parties hereto have executed this Task Order Contract as of the day and year first above written.

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THE CENTRAL INTELLIGENCE AGENCY

TITIZ	Contracting Officer
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INTERNAL INFORMATION:
Reqn. No. 1048-PIC-1000 (a Vou. No. 1048-PIC-1000 (a Proc. Chgbl. 1059-1010-000 Reqn cy to fic (T. a. 1046-000 Almt. No. 0255-1010-000 Contract No. Task Order No. 01/0/18032 Supplement No
I CERTIFY THAT FUNDS ARE AVAILABLE: Obligation Reference No. Charge to Allotment No. 7 Apr 6 - Authorizing Officer
Contractor's Mailing Address:
Contracting Officer's Address:
Clessified SECRET internally sai externally - AGENCY STERILE
Unclassified - NONSTERILE (
U. D. Government Check
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	PageofPages
	(Plain paper may be used fo continuation, if required.)
SCHEDULE	C ntract No.: Tack Order No.: Technical Directive No.: int:
WORK DESCRIPTION AND	TANDI INDTRUCTIONS
•	
Hace, Performance Period and Complet .	. Nate:
Consignee, Ship to, F.O.B. Point:	Inspection Requirements:
vollagilecy birty vo, 1101by 101iis.	Imparation requirements.
	·
Packing and Packaging:	
Additional Instructions:	



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PROGRESS REPORT

NO.21

15 FEB 62

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cc: Addressee (2)

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Contracting Officer -

Copy No. 2 of 8 Copies Consisting of 41 Pages

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SECRET

PROGRESS REPORT NO. 21

15 February 1962

"This material contains information affecting the national defense of the United States within the meaning of the espionage laws. Title 18, U.S.C., Secs. 793 and 794, the transmission or revelation of which in any manner to an unauthorized person is prohibited by law."

This document consists of pages
No. 2 of 7 copies. Series /

Re 21-(5)

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INDEX

- 1. Letter Mtal.
- 2. (The Index)
- 3. General Statement of "Status"
- 4. Report on Systems Tasks
- 5. Report on A-E
- 6. Report on Construction
- 7. Charto



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GENURAL STATEMENT OF STATUS

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As of the submission date of this Progress Report No. 21,
the overall work effort on behalf of this Contractor, as
considered by to be catisfactorily on schedule in all
respects for the Tasks and Assignments that have been
authorized for to handle. This includes the Technical
Directives issued under the Contract as well as the 25X1
architectural, engineering and design work being accomplished
and executed under the General Services Administration Contract
Washington. It also is considered to be appropriate
comment as far as the construction work being executed by
Contractor is concerned which appears
to be on schedule at this time, with every effort being made
on their part to shorten their time requirement for completion
if possible.

There are numerous things listed below in this report
which are not considered satisfactory as far as their scheduling
is concerned and which are essential and necessary to make the
racility satisfactory and operable on the date anticipated
for beneficial occupancy by the I.O. These items are set out
elsewhere in some detail and are recapped in tabular form
indicating somewhere between 75 and 190 individual items that
need attention by the I.O. This has been done as a part of
the normal services of our office but it requires the most

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careful and conscientious attention by the I.O.'s staff because of the complexity of the items; the variety of different items and/or Tasks; the peculiarities which must as to Government Furnished be determined by others than Equipment (GFE); "Contractor installed Government furnished equipment"; segregated contracts handled by the supporting elements of the I.O. including communications items, ADT items, telephone items, Commo items, etc. to be handled partially in some cases through the efforts of where installation of conduits must be placed for the use of ADT installations to be provided under direct contract by the The Planning Group meetings are most useful to these I.O. problems (see Appendix A). Likewise, but somewhat more complex are special furnishings and other requirements noted by in the process of preparing and rechecking the entire list and tabulations. As of today and to the best of our ability, to foresee, essentially all items which will be required to make the facility satisfactory upon your occupancy are accounted for as listed. As soon as these tabulations have been fully rechecked, copies will be supplied to the I.O., the Administrative Staff and others having a requirement for same.

We are attaching the new portion of the Monthly Progress
Report which is called "Appendix A" as noted previously in
Progress Report No. 20 covering the construction activity

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in brief form as provided to us directly by the job-site	
supervisors from Washington office.	
As of this date, six meetings have been held by the	
Planning Group initiated earlier this year, which Group	
has proven most beneficial to all concerned, the last one	
being this morning, 14 February.	
Discussions are underway this week between	25X1
concerning the status of (a) all	
Technical Directives, (b) all authorizations for Technical	
Directives, verbal or otherwise, (c) all unauthorized but	•
requested Technical Directive activity made to (d) costs	25X1
to date of all Technical Directives broken down and with	
allocable charges distributed as a percentage of the money	
expended on each Technical Directive and direct charges,	
(e) a tabulation in "working paper" form for the purpose of	
acquainting and others with the work to date on	
T.D.'s, the work left on all Technical Directives and/or	
Tasks that are of primary importance together with the man-	
months of effort estimated to complete these tasks and with	
the inclusion of the particular names of those assigned by	
to each and every Task and Technical Directive. It is	
the hope of that it will be possible to add to this	
listing, a particular counterpart-person from the I.O.'s office	•

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has assigned or those who will be assigned by ______in the 25X1 future in order that there may be a definite "point of contact" for the exploration of and exchange of information and incidental, non-contractual data, essential to accomplish the work required under these T.D.'s. The work to be done being of such a wide variety of nature, there is perhaps no one person who can satisfactorily coordinate each and every piece of architectural, engineering, systems, security, or other information needed to accomplish this work.

25X1 Attention is directed by to the I.O. concerning a situation we consider portinent and deserving of your attention and knowledge. It has to do with the past activities, efforts and the performance by | | on behalf of the I.O. 25X1 This is perhaps something unique in the experience of 25X1 and concerns written communications and/or instructions from the I.O. to the I.O.'s Contractor, 25X1 It involves our directions, verifications, confirmations, etc. and correspondence of all types having to do with the needs and the performance of

By a recent and quite thorough search of our files in

Los Angeles during the past weeks (and those in the Washington

office), to the best of my knowledge has received less

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than one-half-a-dozen instructions, directions, confirmations (of verbal instructions), or replies to our request for same, replies concerning submissions made per verbal requests by I.O. personnel for studies for possible implementation into various needed T.D.'s. Other correspondence which received has had to do with that directly from the Contracting Officer which is non-technical in nature as a rule and if technical, has been a result of our previous submissions resulting in the existing Technical Directives.

At the present time, to the best of my ability to determine, there are approximately eleven different submissions awaiting action by the I.O. (either "positive" or "negative"), all concerning needs (and these are legitimate needs). Disposition of these by implementing via Technical Directives or otherwise according to the I.O.'s desires, seems essential. The eleven items listed elsewhere have received no written acknowledgement nor any report on the status from the I.O.'s office to date.

This being the case and "time being of the essence" with continuing and additional pressure being put upon a very limited number of persons to handle these and many other matters, I considered it to be of paramount importance that these be disposed of so that work can be scheduled properly. I further consider all eleven items to be

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can and will accomplish them if so directed. It is for this reason that it is brought to the I.O.'s attention at this time and without equivocation in this Progress Report No. 21.

In bringing up this matter, recognition is given, thoroughly appreciated and acknowledged by | and the writer, that at present the I.O. has at its disposal talent in both numbers of new personnel and qualities peculiar to the needs of some of the items which have been concerning us which persons the I.O. did not have earlier when only limited numbers of personnel were "aboard". This is considers it significant in regard to these Tasks and appropriate and proper that any and all of them that can effectively be handled by personnel of the I.O., now or in the immediate future, should definitely and also unequivocally be handled by such personnel and not by On the other hand, where this is not the case either due to man-hours involved or the talents required which are not found in the I.O.'s Table of Organization and personnel, then such facts should receive the attention of the I.O. for possible br others as the I.O. sees fit. To date, assignments t part, is simply to call attention to the effort on

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these various things which are known to be able of	
accomplishment by and which might be overlooked by	
the I.O. unless brought to the foreground in this manner.	
The writer assures the I.O. that this is part of normal	
services rendered by to any and all of our commercial	
and/or public clients where we see or feel that we see	
items or peculiar situations which might be overlooked. This	
is a common occurance and common need especially with clients	
using our services and efforts for complex and complicated	
projects such as the entire Contract and the	25X1
A & E - Contract certainly exhibit.	
/	

The lack of written communications from our Clients,

however, is not a "common occurance".

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ASSIGNMENT III, TECHNICAL DIRECTIVE 1 or 3

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SUBJECT: T.P. & D.S., etc 25X1
A decision was reached by the I.O. to use specifications
as prepared by with only minor changes. Contract
awarded to subject to the Contracting
Officer's approval.
The Technical Directive for technical monitoring of this system has not been received as yet. Verbal orders were received to proceed if necessary on this project. was contacted. He
assigned as the Technical Contact to represent
The specifications were given a quick
review by personnel in anticipation
of the awarding of the Contract.
has been assigned Project Engineer D. 25X1

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to keep continuous close contact on this project.

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SUBJECT: T.P. & D.S. Laboratories (4th Floor)

A short discussion of the functions of the TP&DE

Laboratory and its relationships to equipment requirements is

being prepared. Its purpose is to form a basis for equipment.

A preliminary draft to be submitted for review to assure

agreement on the direction of the TP & DS efforts.

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SUBJECT: "Information Mandling" -	
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An analysis of the IBM 7040 Computer completed for presentation to the client for comparison with the Univace 490 Computer recommended previously. Presentation was made in washington. An additional report was prepared for the Data Processing Committee. An oral presentation was also prepared for Committee, but it was unnecessary that it be delivered. The "Letter of Intent" for the 490 Computer was signed.

Continuing to analyze remote and peripheral equipment for the TI Project and other needs.

In addition, several firms have been contacted with reference to their performing programming functions for the TI Project if desired by the I.O.

A detailed proposal is being prepared for DMD (Steve

Mc. and Bill B.) for Library and Map Handling. It is

anticipated that this will be forwarded during the next

30 day period.

(Work continuing for other (DD/S) towards the completion of the Business Computer, RCA-501 Project. The final report due on the 19th--Task Order No. 2.)

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SUBJECT: On-Line Peripheral Equipment

benefit from the installation of the RR/U 490 Computer has been briefly studied. One working document, not complete, has been presented to the I.O. for inspection during the last seven days. This document is not in final form and therefore, is not being left with the I.O. at this time. It is presented only to indicate the importance of work needed in order that all valid peripheral equipment needs are studied and same developed where valid.

feels that consideration cannot be over-stressed in this area due to its importance to the I.O., if the quantity and quality of the work of the future is to be accomplished. With the assistance of on-line equipments and the RR/U 490 Computer the work can be done. At present this appears to be the only solution that will accomplish such work. Manpower alone, regardless of numbers, does not seem feasible to handle the increased work load. Therefore, this document should receive the attention of those interested particularly in the PAS, PAG and PAD areas but likewise in TIB and other divisions where such peripheral instruments and equipments are of utmost importance to their work using either viewing or measuring devices or both.

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Page	12	

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It is intended that discussions of this working-paper
will be made at once unless otherwise
directed by the I.O. All those interested in these problems
of peripheral equipment requirements should be questioned,
in our onizion

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	Approved For Release 2005/06/06 : CIA-RDP78B04770A002500080006-2	
	SECRET Page 13	25X
	SUBJECT: Special Equipments -	25X
	Photo Lab	
	Secured job descriptions, wage scales, etc. from	
5X1		
5X1	These job descriptions	
5X1	and wage scales were summarized and report given to for discussions and presentation to the	
	1.0.	
	Computer	
	Performed systems analysis for the routing of	
	computer hardlines throughout Preliminary	25X
	layout drawings begun.	
	Special Equipment	
	Completing the "Equipment Breakdown Capability"	
	column of the Special Equipment List for	25X
	Target completion date to be effective mid-February.	
·	Extra	
	Performed overall analysis of the Exgeorge Task	
	Assignments with identification of individual responsibiliti	es.
	Items in the Master Check List incorporated in the overall	
	task summary.	

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Peripheral Equipment

Completed a preliminary draft on "Design Considerations for Peripheral Equipment" for purposes of aiding in the useful concepts and eventual design of on-line peripheral equipment for appropriate use in TAB, OSB, and PAD at the earliest possible date following B.O.D. of

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Spec. Equipment

Completed preliminary draft for submission of a T.D. for the application of the NCR Photochromic for making stereograms rapidly.

my.

Spec. Equipment

Completed preliminary draft for submission of a T.D. for development of a simple opaque projector for projecting maps and collateral within Instrument Scanning Room and to aid communications of the scanning team.

why?

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Spec. Equipment

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equipment is a possible problem area for their consideration.

Suggestions for improvement presented to them. They indicated interest in making recommendations for a better viewer or viewers and stated they would forward same to in mid
February.

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Assignment III, Technical Directive 2

SUBJECT: Photo Lab/Chemical Facility -

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This Technical Directive officially received by

29 January 1962. Prior to this time, work was being performed on this T.D. after receiving verbal orders to proceed late in December from

Scope of work has altered slightly but with little effect upon the work already performed. The primary alteration was the advancement of submission dates for items two (2) and four (4) under "Scope of Work".

requested this date be revised to at least 28 February or 15 March 1962. A preliminary recommendation list has been presented but could not be finalized within the period specified.

The new date required for Item 4 will be met.

The "Scope of Work" under this T.D. No. 2 , Assgn. III is as follows:

"The investigation shall be concerned with the photographic processing by the laboratory. This will begin with receipt of the original negative and continue with

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its processing, printing of the original, subsequent printing and processing, preservation of the original negative, handling of all photo consitive materials and handling or use of the photographic materials within the laboratory. The recommendations resulting from the investigation shall be designed to insure the highest possible quality standards in the sense of repeatability of desired effects with the very minimum loss of sharpness, resolution, tone, and acuteness consistent with practicallity. The assistance and implementation may relate to any activity undertaken on the basis of the recommendations submitted. Contractor shall be responsible for providing recommendations and advice of the highest professional quality and, notwithstanding review and acceptance by the Government, for the accuracy, coordination and consistency of all design drawings and specifications. Among other things the Contractor shall provide:

A. Recommendations for a complete quality control system for the photographic laboratory including routine procedures and reports which will guarantee the highest possible quality from the photographic and chemical equipment, minimize the possibilities for operator error, assure uniformity of processing results, and identify degredation of product and the sources thereof.

The recommendations shall be completed and Approved For Release 2005/06/06 RDP78B04770A002500080006-2

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reported by building occupancy date.

- of equipment or materials necessary to achieve the goals of higher quality and volume which shall include specifications, drawings and or detailed requirements as necessary to facilitate the purchase, by the IO, of said equipment or material. Recommendations for purchase of major processing equipment shall be completed and reported on or before 31 January 1952.
- C. A facility description and operating instructions for the main purpose of explaining in detail, the many special architectural and mechanical features relating to the photographic processing laboratory of _______ The description and instructions shall be completed and delivered one month prior to building occupancy date.

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D. Recommendations for staffing of the laboratory including table of organization, position titles, duties of each position, qualifications desired and salary range based on salaries paid comparable individuals in private industry and other Government laboratories. These recommendations are to be completed and reported by 15 March 1962.

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E. Upon request, technical assistance to the Technical Representative of the Contracting Officer in the explanation and implementation of the recommendations provided hereunder and in particular, in the selection of suppliers and in the inspection and supervision of the fabrication, installation and checkout of any equipment or facilities acquired, modified or constructed pursuant to the recommendations."

A tentative outline of proposed Quality Control program presented and minor modifications being prepared now. Rough drafts being prepared for proposed Sensitometric and Chemical Analysis programs which are two of the three major phases of the Q. C. program. The third major phase, the final product control, to be started shortly.

A proposed equipment list, presented twice before, has had alterations due to the requirement changes. This list to be finalized during February.

The photo facility description and operation-procedure manuals being outlined and will be presented later.

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Recommended staffing of photo facility has been outlined. Several private companies contacted for the purpose of obtaining comparable information on salaries, positions, etc.

Progress Report (#20), stated that a questionnaire was being prepared by for obtaining additional information from specific "users" of the material produced in the photo lab. This questionnaire is being withheld temporarily upon request of the I.O.



Assignment I - Technical Directive 2 "Technical Intelligence"

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Scope of Present Activities		25V I
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Pending issuance of the Technical Intelligence Technical Directive with a definitive statement of work, recent activities have been primarily concerned with problems analysis. A total of 28 analytical tasks have been identified and defined. Personnel are now assigned and due dates set. All previously completed tasks have been included in order to have the complete record. The 28 tasks, along with personnel assignments and due dates, are listed in the "T. I. System Analysis Status Sheet". This document is to be revised from time to time to keep it current. In addition, for each task, an individual "Task Description Sheet" has been made up (and/or will be for new tasks in the future). This document thus identifies the responsible personnel, describes the task, suggests methods of solution and reference material, and lists DMJM persons to be consulted.

Tasks 26 and 27 are identified as "Functional Requirements" and "Functional Design" respectively. As a preliminary effort to such activities, a report entitled

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"Technical Intelligence System Analysis" has been prepared. This report contains a description of the framework within which the T.I. system analysis, design, and integration can be accomplished in the most efficient manner! It is felt that a design control document entitled "Functional Requirements" is of paramount importance at this early stage of development. Such a document clearly defines the system and serves as a means of control to insure that the final system will indeed perform all required functions.

Problem Analysis

Resection and Intersection Problems (System Analysis Tasks 6, 7, 8, and 9)

Further examination of the errors associated with the intersection and resection problems was performed. The problems of interdependent errors in both problems prevents straightforward application of "least-squares" techniques. Statistical methods valid for these two problems are being examined. In addition, it appears possible to obviate the difficulty by performing statistical tests on the data.

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Numerical Rectification of Panoramic Photography (Task 5)

Much background material for this task has been studied and/or developed. A preliminary report is scheduled for 1 March 1962. In conjunction with this task a report entitled "Vector Representation of Numerical Rectification" has been completed (Task 12).

Critical Review of the Computer Program for Direct and Inverse Geodetic Problems (Task 10)

Work was begun during this report period on a critical
review of the computer program for direct and inverse
geodetic problems, which was written by

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The equations are being independently derived. Reference may need to be made to Helmert's original work, done in 1880, for full comprehension and application of (1) the transposition of the geodesic distance, S, on the ellipsoid to the angular distance, Δ Ø, on the auxiliary sphere, and (2) the transposition of the longitudinal difference between two points on the ellipsiod $L_{1,2}$ and the polar angle on the sphere, Δ λ . (Such transformations to be accomplished by the use of series approximations of elliptic integrals.)



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Nadir Determination

The work of John W. on "Determination of Photo-Coordinates of the Nedir as Functions of Pitch and Roll" was entended to include the yaw angle. This analysis was transmitted by our letter dated 25 January 1962.

<u>Orientation</u> Determination

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*At the beginning of the year our work was rechecked and it was analytically proved that the equations were inconsistent.

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Assignment II - Technical Directive No. 2

SUBJECT: Architect-Engineer - Design - L.A. & Wash. -

Subsequent to the 15 January 1962 submittal to GSA of completed working drawings and specifications, the checking of these documents was started. A two week period was scheduled for the completion and issuance of corrected drawings and specifications.

Working Drawings

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As mentioned in Progress Report No. 20, the issuance of working (construction) drawings will not constitute 100% completion since there are certain necessary additions presently under consideration or yet to be determined in terms of a definite design requirements.

Unresolved A-E Problem Areas

- 1. Public Telephone System (under study by I.O.)
- 2. Secure Telephone System (nearing completion)
- 3. Security and Fire Alarm Systems (nearing completion)
- 4. Bldg. Requirements for RR/U 490 Computer (under study)
- 5. Conveyor System 1st Floor (See memo to File -13 February 1962)





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- 6. Conveyor 4th Floor (held by I.O.)
- 7. P.A. Systems (definition by of the several systems required and Security ruling thereon)
- 3. Vault Doors (schedule completed. Details by mfr. forthcoming)
- 9. Special Equipment List (breakdown capability largest component size. I.O. agreed to complete list and return to when completed. Results affect coordination with Contractor on space preparation and moving)

Computer Accommodation

with regards to the RM/U 490 Computer, there is presently under study, the physical layout of all equipment contemplated and the "hard-line" runs for the input/output devices. This study has been running concurrently with the systems group in an effort to determine the "brick and mortar" requirements necessary to accommodate installation for immediate (1962) and future use.

Peripheral Equipment

Since the type and location of future and immediate use of peripheral equipment is not known at the present time, it has been difficult to ascertain the method of routing necessary to provide the flexibility desired.

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One method under consideration is the use of cable trays

(installed under the contract) to provide the

flexibility and also to coordinate the location of the cable

tray runs in relation to air-conditioning ducts, light fixtures,

plumbing lines, etc. However, prior to finalization on any

method, the approximate number of "hard-line runs" and device

locations should be verified by I.O. to fully insure optimum

flexibility and operational efficiency.

Furniture, etc.

completed and forwarded (via to I.C. personnel for review and comparison with furniture layouts being prepared by I.O. The Master Furniture List (not limited to "unitized" GFE) will be completed after review comments are received from I.C., if desired and so directed. Layout studies of unitized furniture for the technical areas is now in process and the design effort on special furniture/apparatus, interior work, graphics, will be accomplished in the very near future. Proposal data and information for a Technical Directive for accomplishing this work has been submitted, but neither action nor direction from the I.O. has been received as yet by

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"Planning Group"

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The Planning Group has met regularly on Wednesday mornings
at the facilities in Washington and has proved of
inestimable value in resolving problems of I.O. policy and
procedure. Reference is made to the reports of Planning Group
Conference Nos. 2 - 7.
Personnel representing have been in continual 25X1
contact with the I.O. since the previous Progress Report was
submitted and have received and provided input as it affects
the operations and the operating personnel that will occupy
Memos have been submitted describing these meetings
and additional reports will be forthcoming.
"R. F. Shielding - 6th Floor"

An important action was taken at a meeting on 9 February

1962 at the I.O. and attended by

It was resolved that no RF screening

would be installed in the sixth floor Briefing hoom. (See

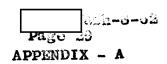
Planning Group Conference #7/14 February.)

Special Meetings Held this Period

Additional meetings included:

Construction Site - every Tuesday morning.

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CONSTRUCTION STATUS

- 1. Working drawings--checking of all work submitted on 15 January was completed, corrections made to tracings and all material resubmitted to GSA on 29 January 1962. The draft of the project specification was submitted for review and final typing by GSA on 29 January. Several miscellaneous items such as Briefing Room curtain track and hardware, Dynapac operators, computer room floor, cable trays, etc. were omitted from the specification and will be issued at a later date by addendum procedure.
- 2. GSA has resolved the Cooling Tower problem. We have been directed to provide Cooling Tower capacity in lieu of utilizing Anacostia River water as the condensing media for the air conditioning system. We will complete all the work necessary for working drawings by 5 March 1962.



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4.	Construction	-	the	Contractor	received	his work	ing
drawing	package for			(Inte	erior), fi	rst sets-	₩.
uncheck	edJanuary 19	,	and o	corrected d	rawings 1	February	

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Work proceeding as follows:

- a. Sixth Floor forming completed.
- b. Fifth Floor roofing material removed. Contractor grinding slab and preparing slab to take the one to one-one half inch topping for finish floor.
- c. Floor slabs (all floors) being cut for air conditioning riser shafts wire closets and elevators. Coring of plumbing riser holes also in process. This work approximately 25-30% complete.
- d. First Floor slab opened for the numerous plumbing and electrical conduit runs to be buried beneath slab. Much of the new piping in place.
- e. Contractor has proposed to use a slip-form construction technique for the construction of the USGS Tower. Anticipates 9 to 10 days for the pouring operation.
- f. Electrical rough-in work for power and lighting on Floors 3 and 4 in process. Workmanship is very good.

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5. The Contractor is now taking-off quantities for a proposal figure to GSA by 16 February. At that time he will furnish his final construction schedule to GSA.

6. Strike of the plumbing trades took place on
Friday, 9 February at noon. Strike was called to protest
summary firing of four union plumbers by
General Euperintendent for the general Contractor
These four men had persisted, after several warnings, in
leaving the job 15 minutes before quitting time. The
dispute derived from the general Superintendent's having
fired the men over the Mechanical Contractor's head and
without Union redress. A meeting was held on the job-site
at 10 a.m., 12 February to resolve the strike. The GSA
Contractor and the Union business agent attended. Results
were as follows:

- a. Contractor was within his rights to fire the men as they had been warned prior to the firing.
- b. The end of work day time was moved back 10 minutes, the 10 minutes being deducted from the lunch period. _This is to get out of the job-site before the Navy Yard personnel leave.7
- c. Time lost by all personnel involved because of the strike will not be paid.

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General Contractor was authorized to fire in any of the trades provided due warning has been given and recorded.

Comment

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On or about Thursday, S February, a dispute arose on the job-site concerning plumbers walking off the job early. The general strike threat was announced and it appeared possible the electricians would "walk out in sympathy" beginning on the following Monday. This caused grave concern on the part of all attached to the project and most special recognition and credit is due to Contractor

		Gene	eral Supe	rint	endent	,					
also to					rojec	t E	ngin	eer,	an	ıd Mr.	•
		Civil	Engineer	and	Chief	Οï	the	Work	S	for	٠
General	S	ervices	Adminis:	trati	ion.						

Of real importance was the quick settlement accomplished by the meeting held Monday morning. The settlement included the provisions noted above which are rare in these labor disputes, especially "that the Contractor shall and does have the right to fire 'on the spot' and layoff of the job anyone who leaves early." This was the cause of this walk-out.

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Perhaps a contingent benefit as a result of this

firm handling of the dispute is that the electricians

did not go out in sympathy and thus further difficult labor

situations may possibly be avoided by the determined efforts

(and determined settlement terms) which

accomplished for us.

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As of the 15th of February, the job is proceeding again on schedule.



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SUBJECT: Contract Status, Financial Status, and Technical Directives

in order to provide the 1.0. with all available and
current information, particularly that needed to bring
the I.O.'s Administrative Chief, newly appointed,
up-to-date, a review has been made of all Technical
Directives by and accounting for same is being provided
to the Administrative Chief shortly with separate documents
showing individual recaps on the dollar amounts and status
of each Technical Directive and assignable costs in as much
detail as desired. The work and effort on Technical
Directives, not yet authorized in writing, are likewise
being presented in similar detail.

In addition "working document" and charts for both the Administrative Chief of the I.O.'s office, and are being provided. These show, in chart form essentially all of the immediately needed and anticipated work to be done for or by the B.O.D., the man-hours or man-months involved, personnel assigned thereto, and the target dates for the accomplishment of same. This outline by is specifically for the I.O.'s criticism and modification as required.

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Of significance to the needed work to be done, is	
the fact that present funds remaining under the	25X1
Contract now stand approximately The expenditure	25X1
rate is approximately per month. Thus there	25X1
is only 3-4 months balance remaining at best, if the work	
is to continue at this same rate.	25X1
The Contracting Officer has questioned	
about this matter but in view of the possible immediate	
rewrite of the existingContract for security reasons,	25X1
no decision has been reached as of this date regarding	
either the contract or contract funds.	
Delow follow the regular Monthly Progress Diagrams	:
and Charts as well as the brief financial recaps on the	

status of funds expended.

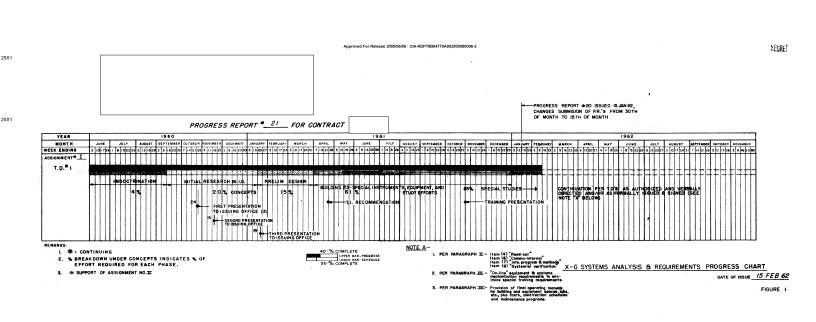
It is anticipated that the Chief of the Administrative Staff and will be pursuing the details of "work-papers" and "work-documents" (referred to above) during the next 15-30 day period in order that a full understanding of all matters attached to this contract is provided to the Administrative Chief as to 25X1 files, work and contract efforts, etc. to date.

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		Adv	isor	Direct	Clerical	
		Man Hours	Amount	Man Hours	Amount	Remarks
	July 1961		*			* Charges now being accumulated
	August					
	September					<u> </u>
	October					
	November					
X1	December					There are cost to dite brol
	Jan. 1962		1			ut from 502-1-0 in 100. of.
	February					
	March					
+	April					
1	May					

LABOR ONLY
TECHNICAL DIRECTIVE NO. 1
ASSIGNMENT IV





PROGRESS REPORT * 21 FOR CONTRACT

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(X-G) A-E PROGRESS CHART

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PROGRESS REPORT # 21 FOR CONTRACT

YEAR		. 1961														1962																														
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WEEK ENDING	3 10	1724		8 15	22 2	9 5	12	192	6 2	9	16 2	23 3	0 7	14	21	28	4 11	18	5 2	9	16	233	0 6	13	20	27	3 1	0 1	7 2	4 3	10	17	24	31	7 1	4 2	212	8	5 1	2 1	9 2	26	2	9 1	6 2	3 3
ASSIGNMENT# III				-		Ŧ		=	-		=	1	Ŧ	-		4	Ŧ	Ħ	=	•	\exists	#	Ŧ	F	H	sψ	вм	ijŢ	F)R	ΔF	PR	οý	ΑĻ	a	RE	:Li	EΑ	SI	7	0 0	co	NT	RA	СТ	QF
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REMARKS

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PART 2BALANCE OF INSTALLATION WORK TO
BE ACCOMPLISHED INCLUDES SUPERVISION OF MANUFACTURED ITEMS PLUS
SUPERVISION OF CONTRACTOR'S INSTALLATION — PARTIALLY DESCRIBED IN
T.D.#2, ASSIGNMENT # III

LEGEND UPPER BAR-PROGRESS %COMPLETE

DATE OF ISSUE 15 FEB 62

X-G PHOTOCHEMICAL SOLUTIONS LAB

FIGURE 3

S. II

